

**Rationale for Delisting of Four (4) Waterbody/pollutant Pairs
in the Ouachita and Calcasieu River Basins.**

Subsegment 030201 - Calcasieu River - Confluence with Marsh Bayou to Saltwater Barrier (Scenic) - Lead

This water quality subsegment was included as impaired by lead on the 1999 court ordered list based on its inclusion in the State's 1998 305(b) list. Based on widespread concerns with sample contamination the State conducted additional sampling in 2000, using clean sampling and analytical techniques. The criterion for lead for this waterbody, 323.04 µg/L, was calculated using the hardness formula given in the Louisiana water quality standards. Five samples were collected between September 2000, and March 2001. The highest reported lead level observed was 0.869 µg/L. Two samples were less than method detection levels. This new data supports the determination that water quality criterion for lead are currently being met.

Submitted lead data for subsegment 030201-

Date Collected	Monthly hardness (mg/L)	Lead Criterion (ug/L)	Sample result (ug/L)
9/25/2000	323.04	14.156	<0.003
10/30/2000	323.04	14.156	<0.039
12/05/2000	324.04	14.156	0.301
2/6/2001	324.04	14.156	0.497
3/13/2001	324.04	14.156	0.869

Subsegment 081401 - Dugdemona River - Headwaters to junction with Big Creek - Dissolved oxygen

This waterbody was included on the 1999 court ordered list by virtue of its inclusion on the State's 1998 305(b) list. The State has submitted to EPA newly evaluated data that supports that this waterbody is currently meeting water quality standards for dissolved oxygen. The State's letter of explanation and data files are included as attachment A and B to this delisting proposal. EPA has reviewed the data and found the States determination to be acceptable.

Subsegment 081401 - Dugdemona River - Headwaters to junction with Big Creek - Nutrients

This waterbody was listed as impaired for nutrients on the court ordered list based on its inclusion on the 1993 State 319 assessment. It was not been included as impaired due to organic enrichment/low DO and nutrients on the 1996 303(d) list or the 1998 305(b) list. This waterbody

was proposed for delisting (see above discussion) for dissolved oxygen because new data shows that it is currently meeting water quality standards. LDEQ interprets its DO standards as a direct indicator of nutrient impacts: "Thus when the LDEQ maintains and protects DO, the LDEQ is in effect also limiting and controlling nutrient concentrations and impacts. Therefore, where the DO standard is met, the nutrient standard is also met." (Decision Document for the Modified Court Ordered §303(d) List, February 29, 2000). Based on this accepted interpretation of its water quality standards, delistings are also proposed for the associated listing of nutrients.

081503 - Beaucoup Creek - Headwaters to Castor Creek - Organic enrichment/low DO.

The State of Louisiana submitted a TMDL for dissolved oxygen and oxygen demanding substances to EPA Region 6 in February 2000. EPA approved this TMDL on March 22, 2000. EPA is proposing delisting this waterbody/pollutant pair based on the fact that a TMDL has been approved.